

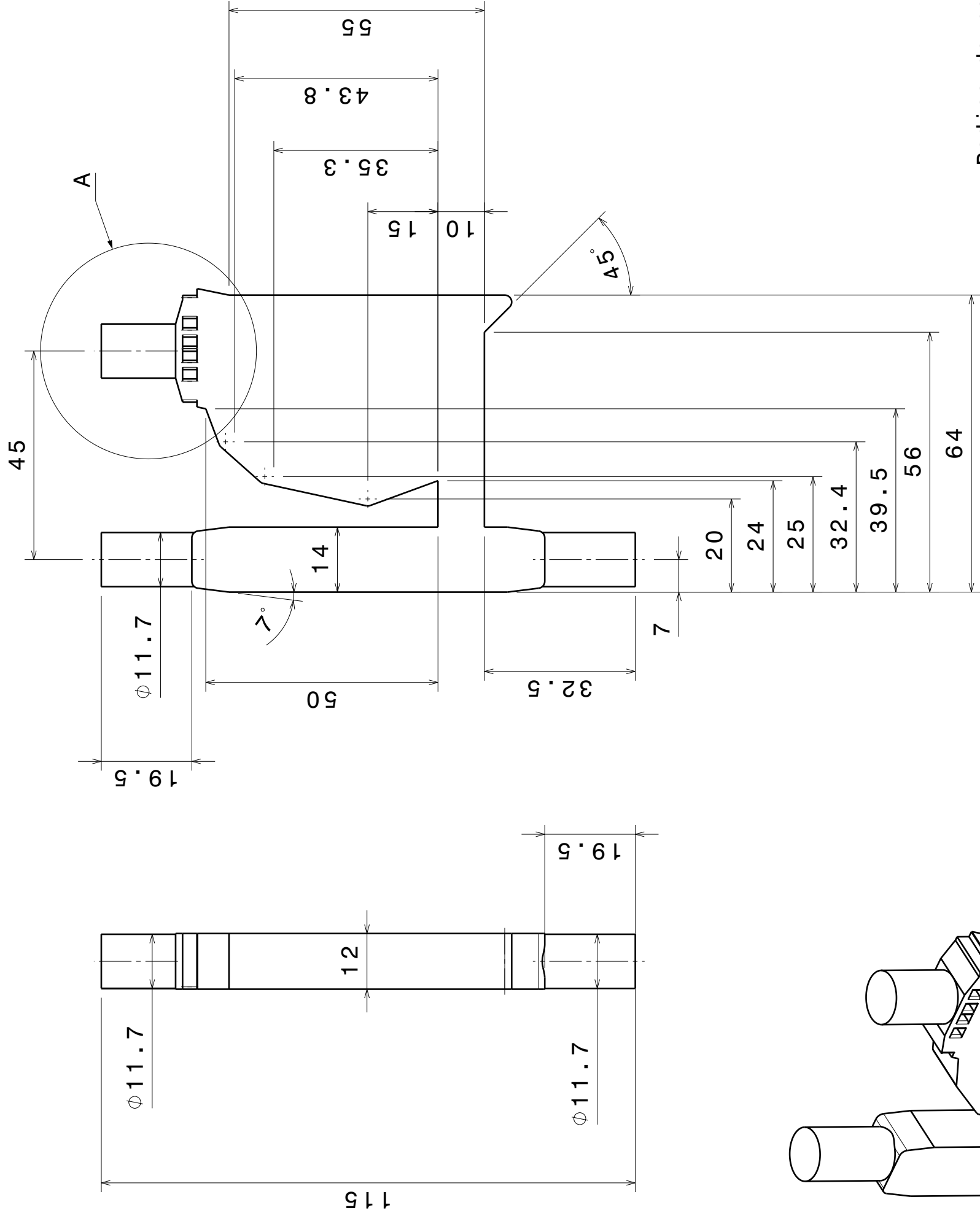
# ANEXOS

## INDICE

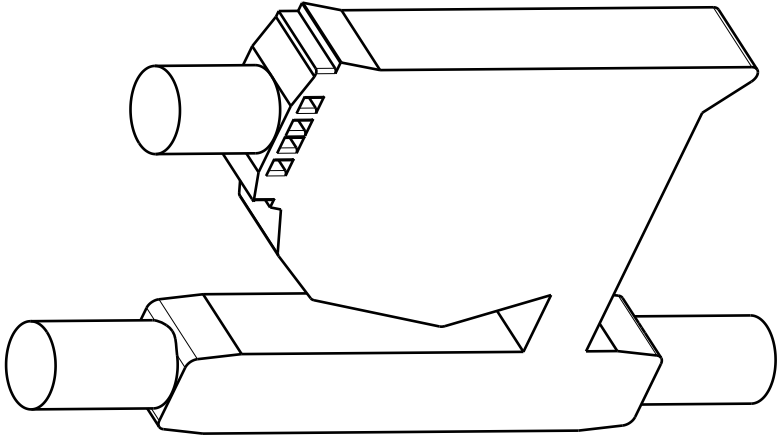
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## A.A PLANO DEL MODELO





Radios de redondeo: 1.5 mm



Perspectiva Isométrica  
Escala: 1:1

Detalle A  
Escala: 2:1

Tolerancias generales: ISO 2768 - m - K	Calidad superficial:
Material: METACRILATO	Denominación: INTERIOR DEL MODELO DE OREJUELA BIDIMENSIONAL
Dibujado por: Sabino Liébana	Proyecto: INSTALACIÓN PIV PARA OREJUELA
<div><div></div><div>Fecha: 15/03/2019</div></div> <div><div></div><div>Escala: 1:1</div></div>	

## A.B MEDIDAS PIV

En este anexo se mostrarán los campos de velocidades del ciclo cardiaco para orejuela flexible y orejuela rígida

### OREJUELA FLEXIBLE

En la figura A.B.1. se muestran los instantes de medida en los que se han medido el campo de velocidad del flujo pulsante, se han realizado medidas en 1 ms, 50 ms, 75 ms, 100 ms, 150 ms, 200 ms, 300 ms, 400 ms, 500 ms, 600 ms, 650 ms, 675 ms, 700 ms, 750 ms, 800 ms, 900 ms y 950 ms.

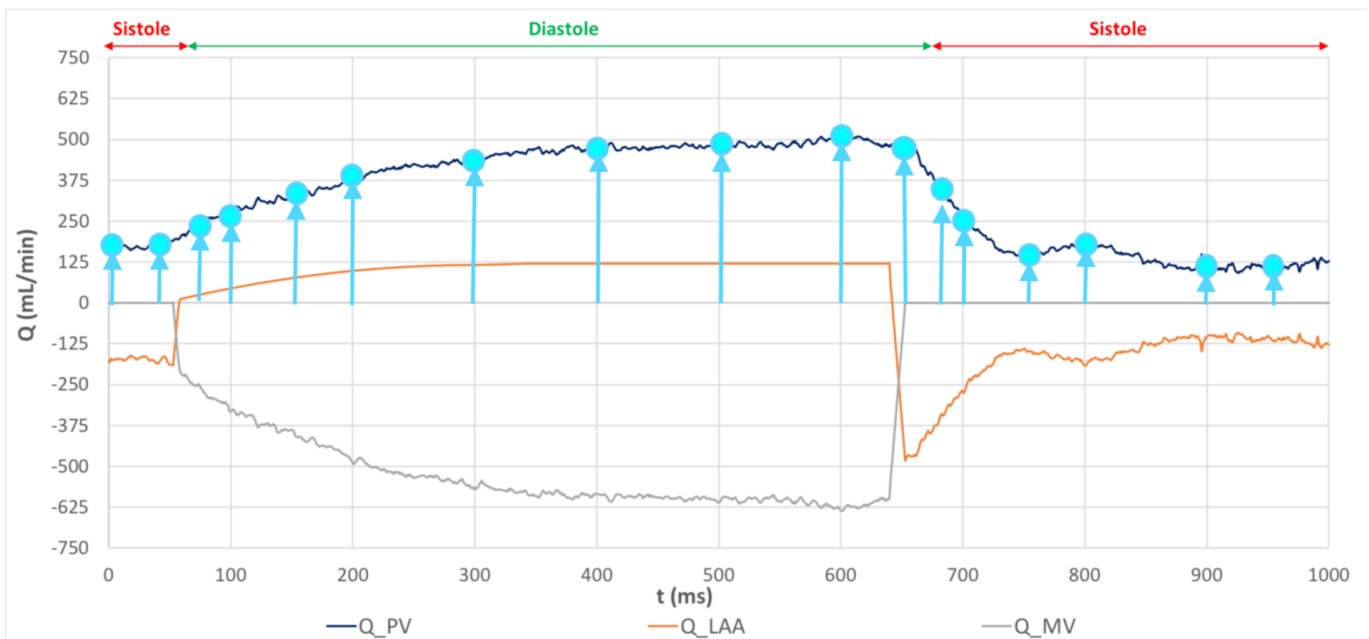
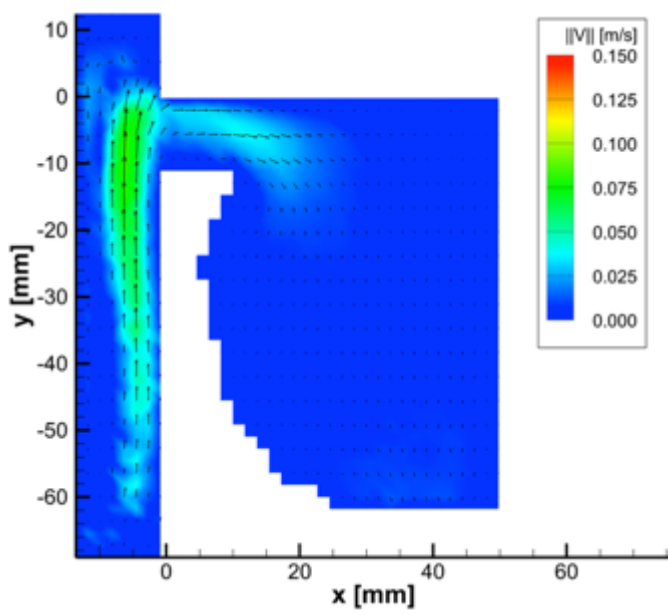
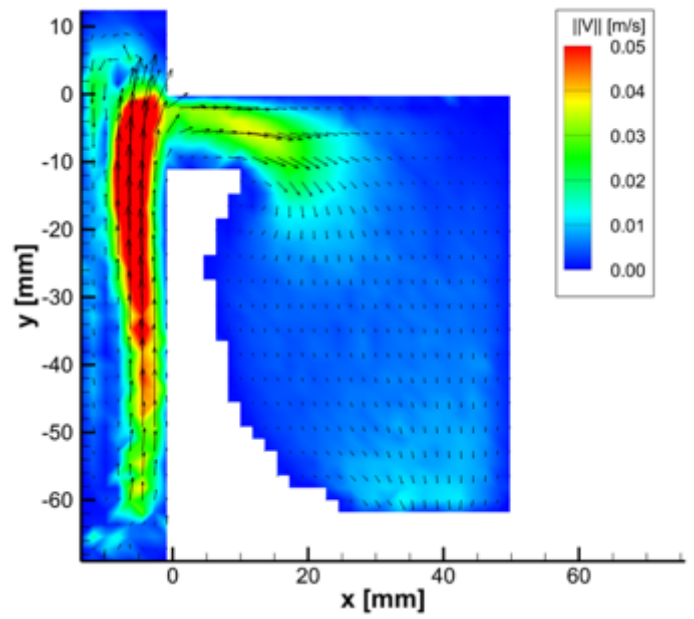


Figura A.B.1. Instantes de medida del campo de velocidad durante el ciclo cardíaco.

A continuación se mostrarán los campos de velocidad que se han medido.

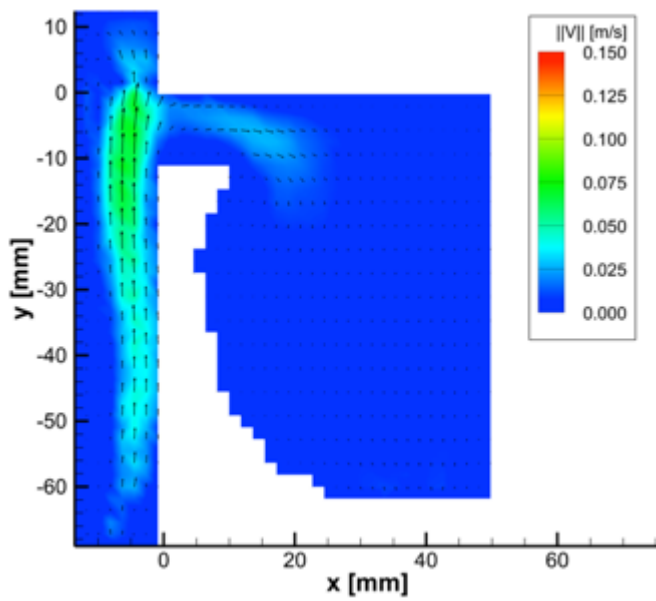


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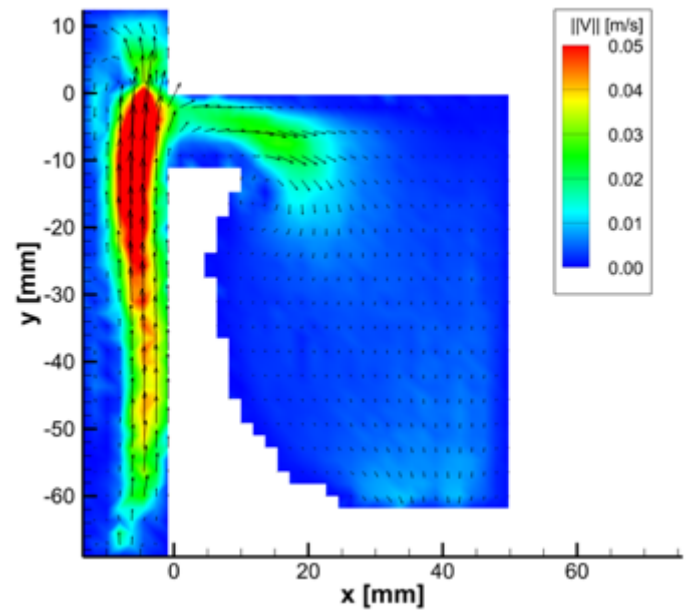


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=1$  ms

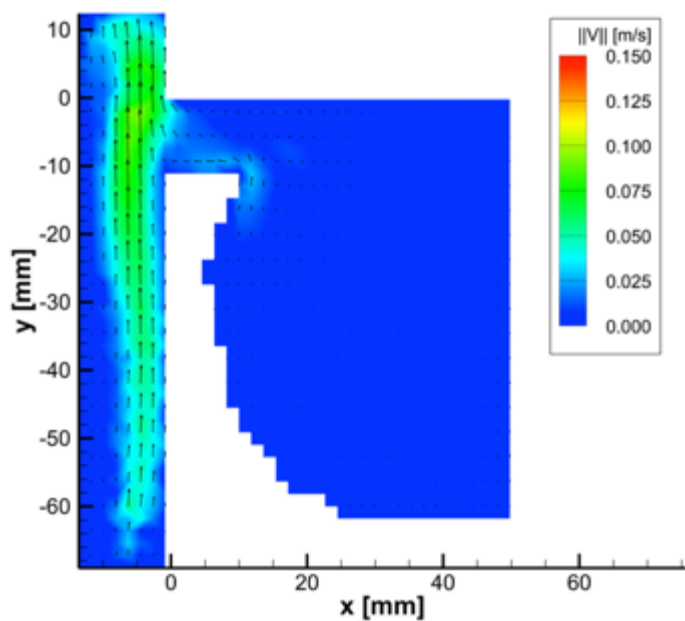


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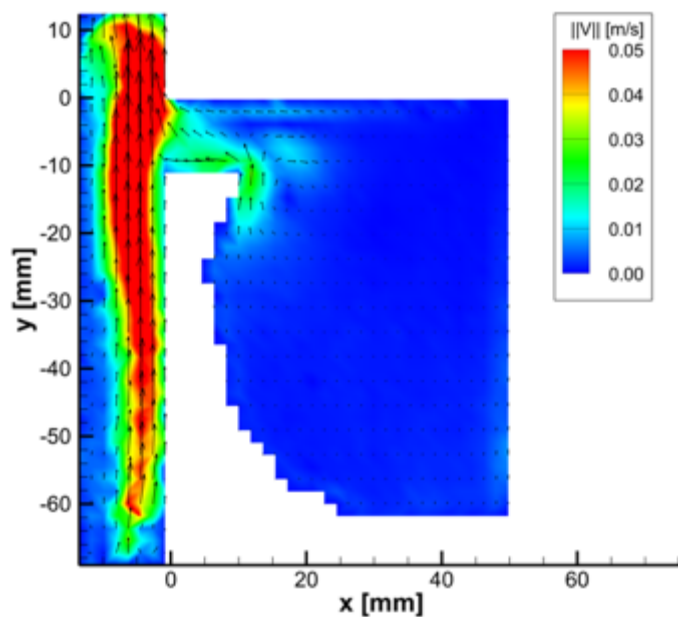


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=50$  ms

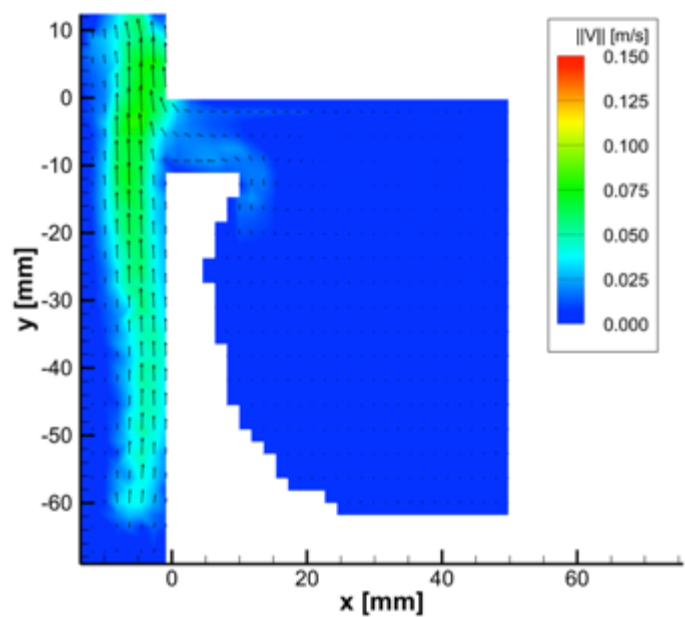


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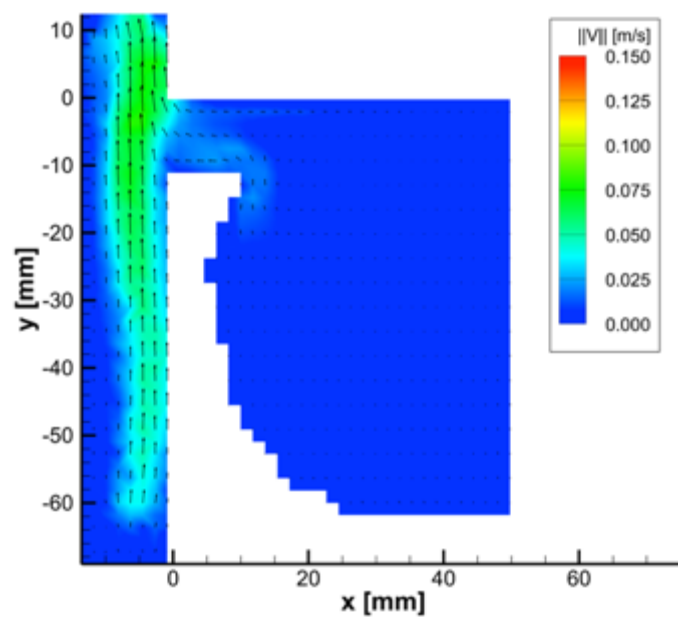


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=75$  ms

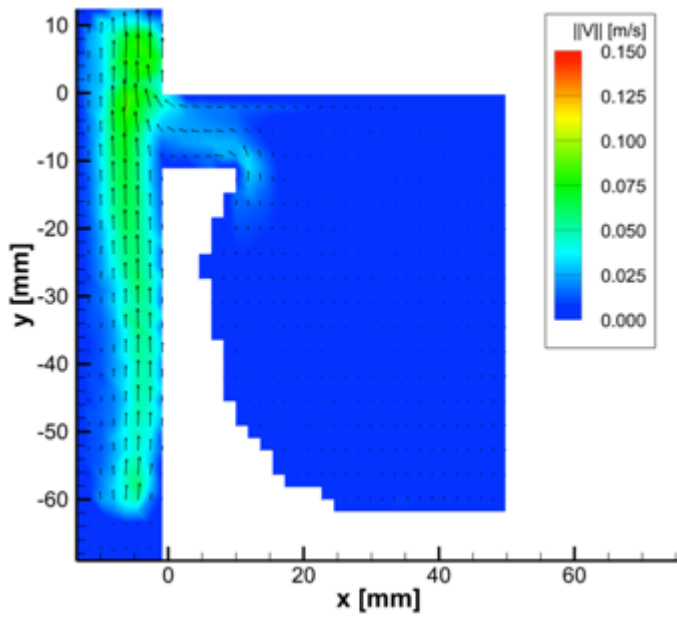


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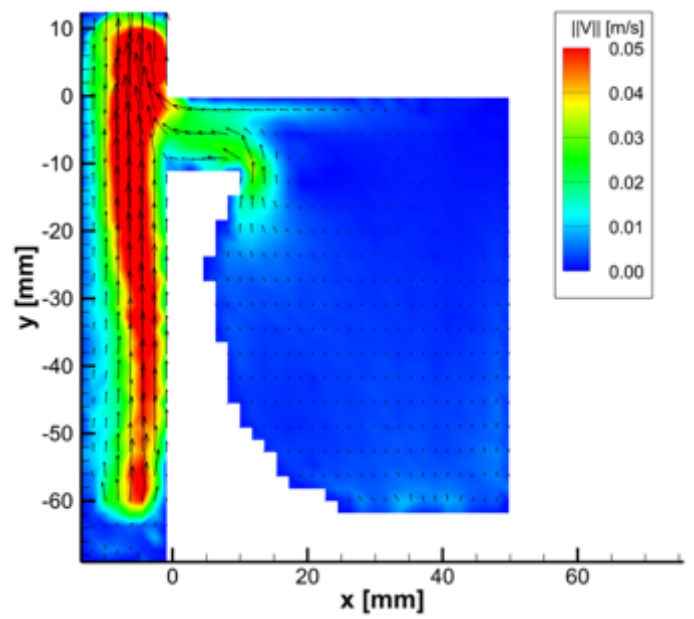


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=100$  ms

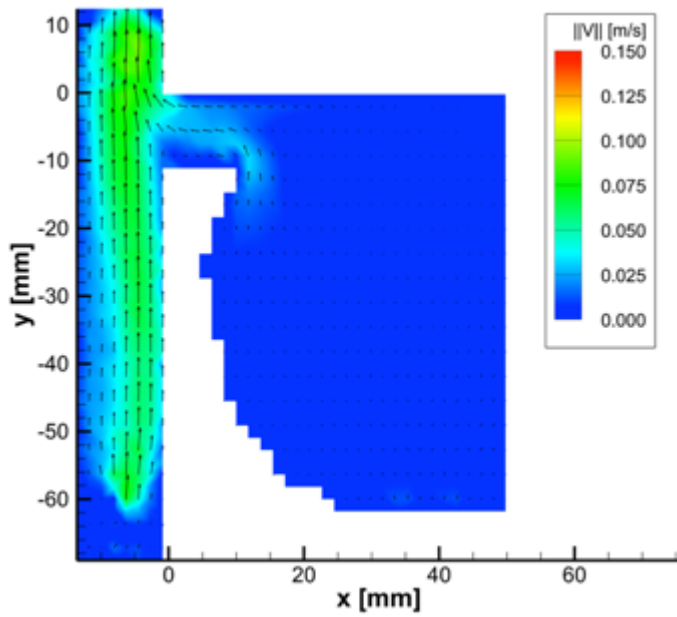


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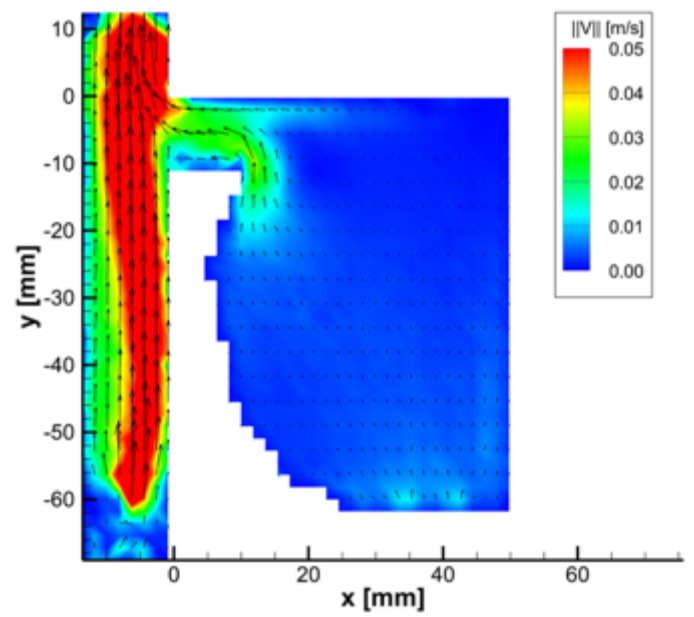


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=150$  ms



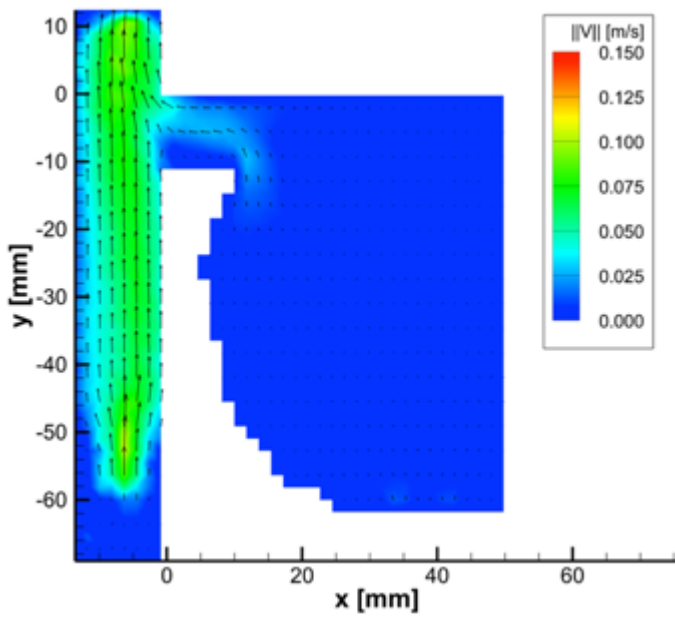
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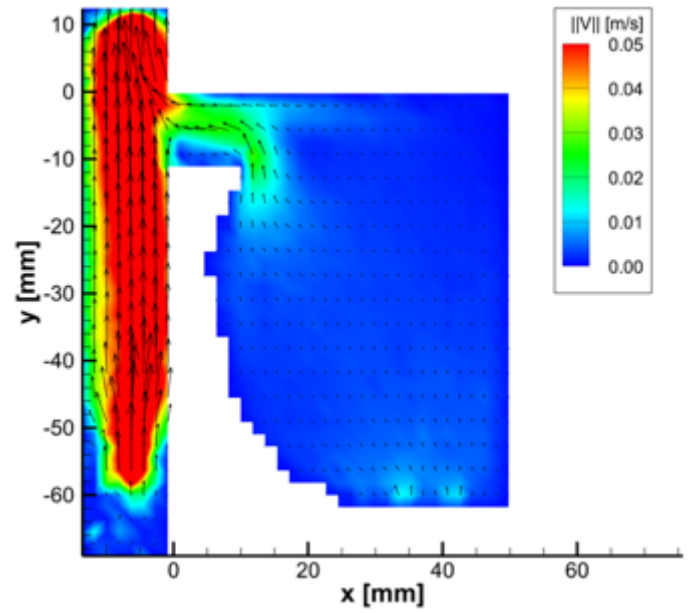
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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=200$  ms



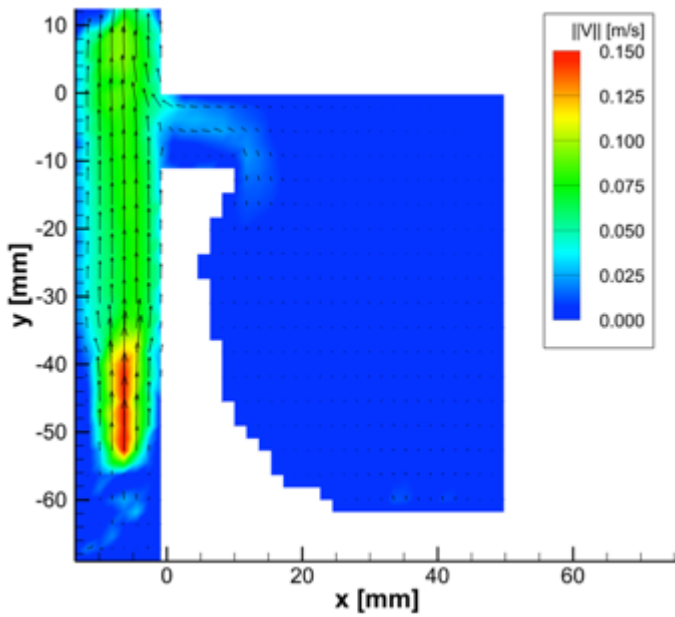


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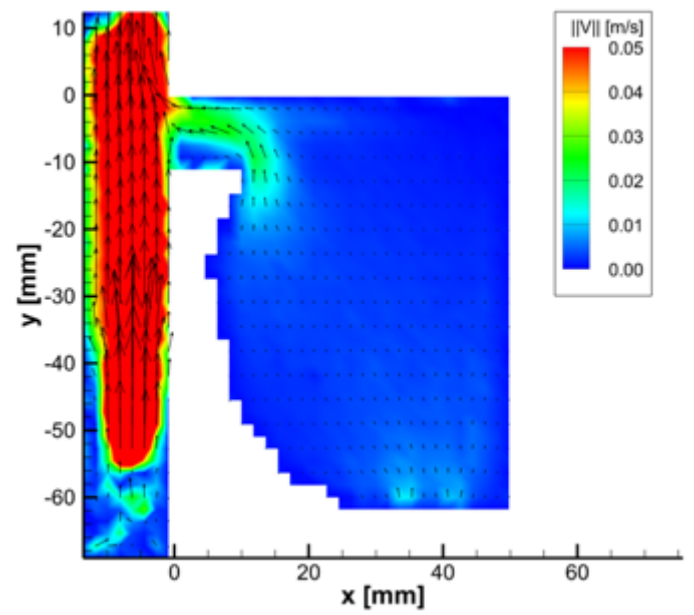


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=300$  ms

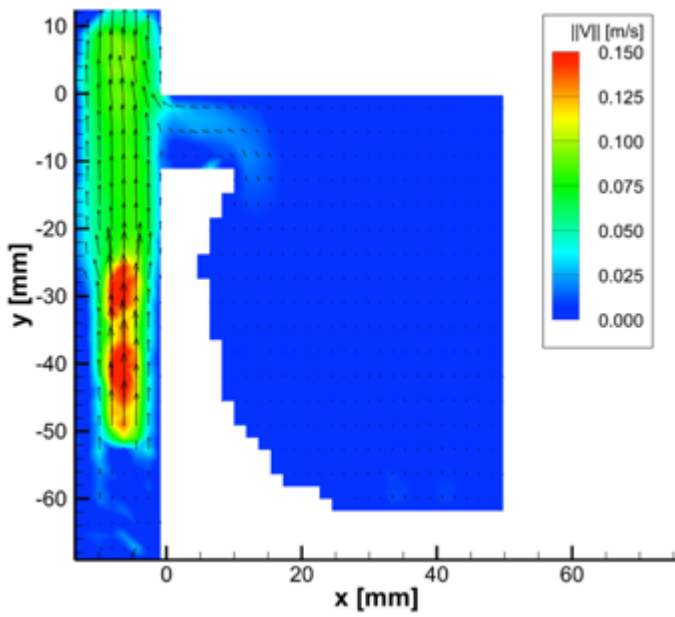


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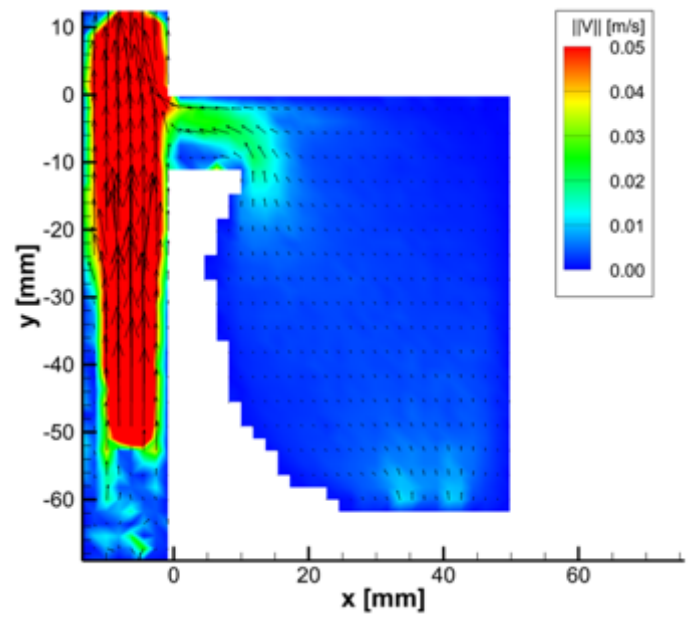


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=400$  ms

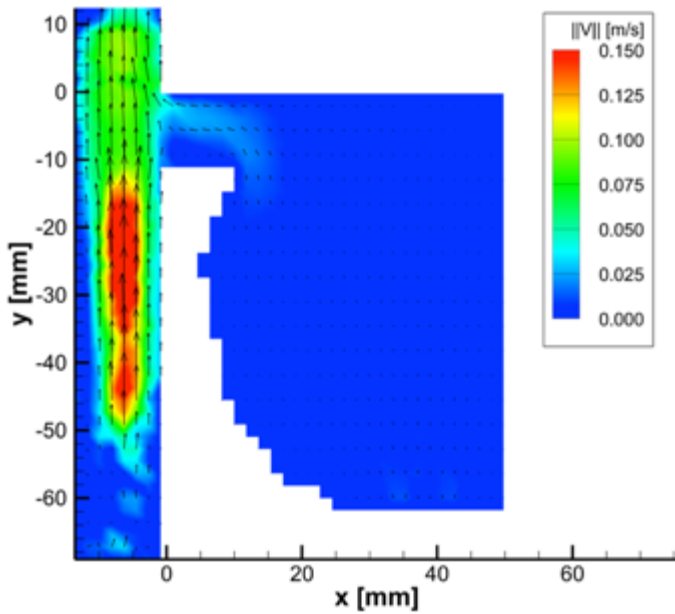


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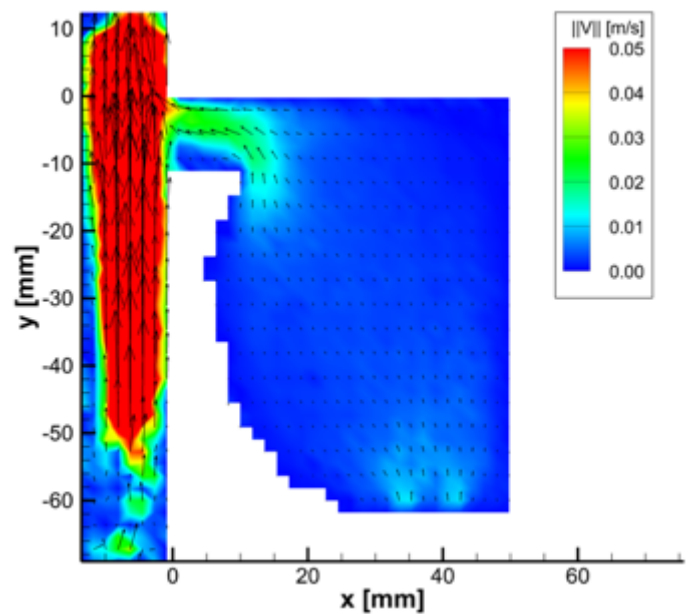


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=500$  ms

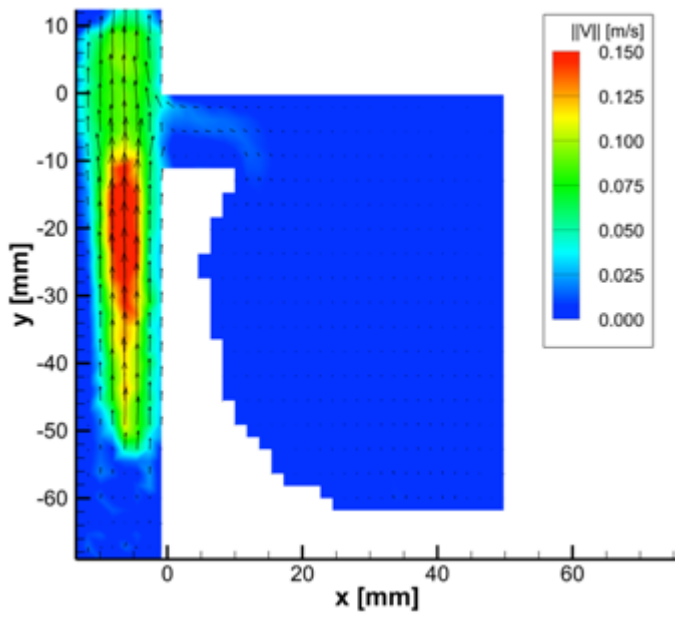


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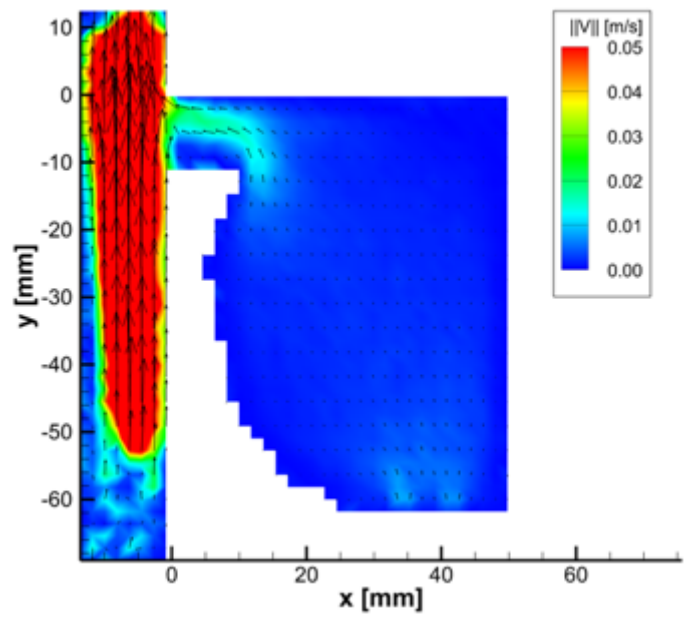


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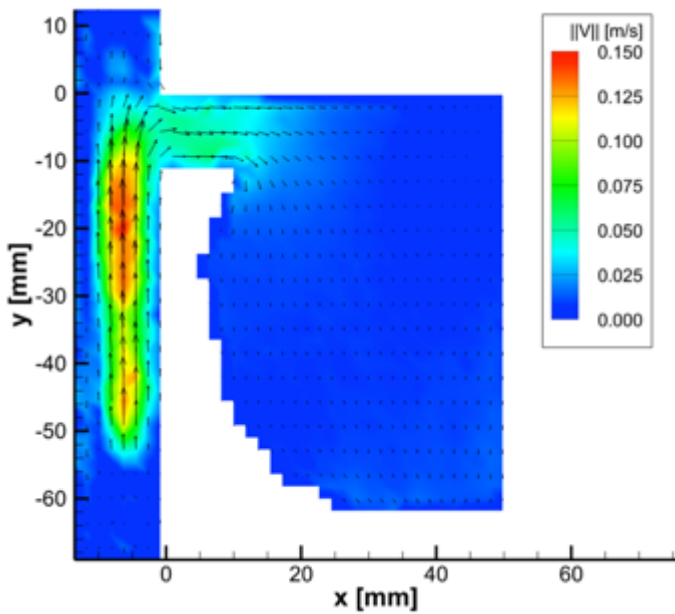


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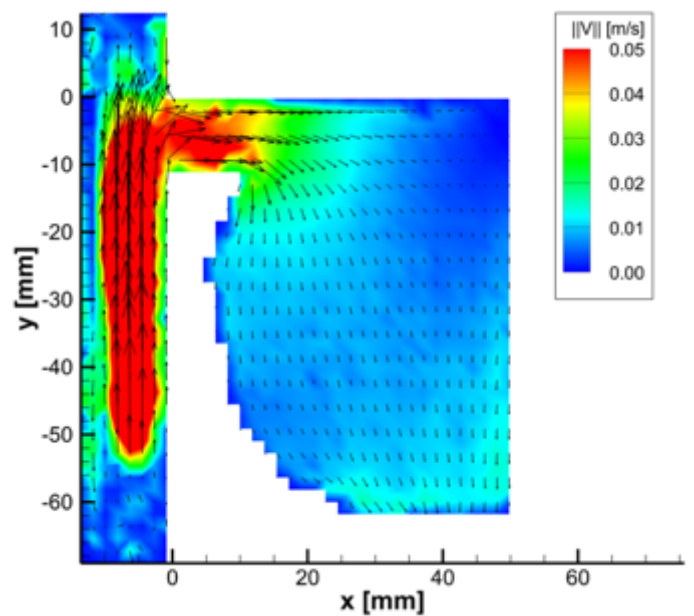


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=650$  ms

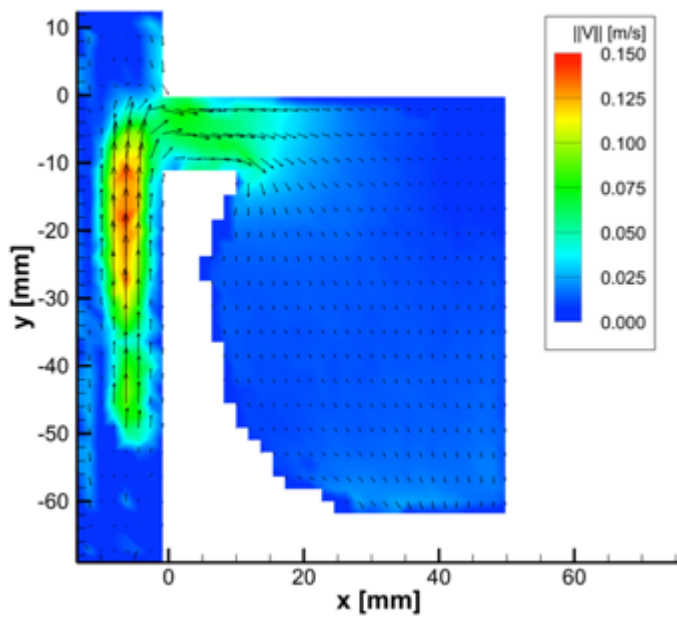


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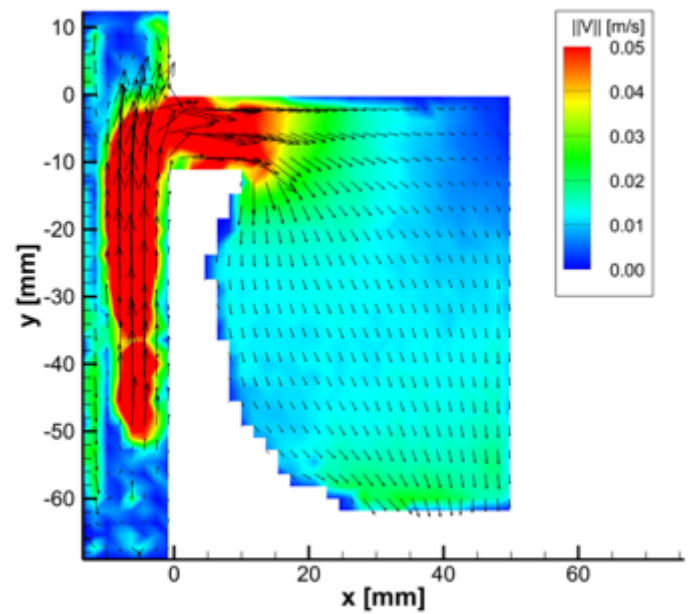


(24)

Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=675$  ms

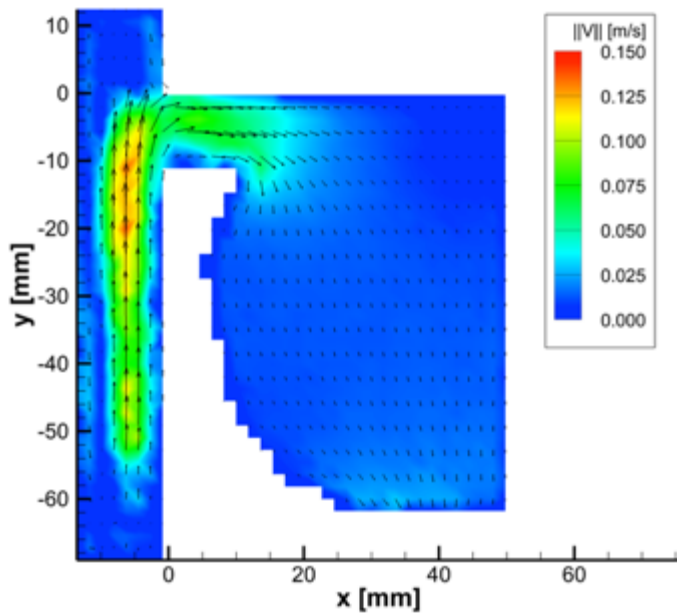


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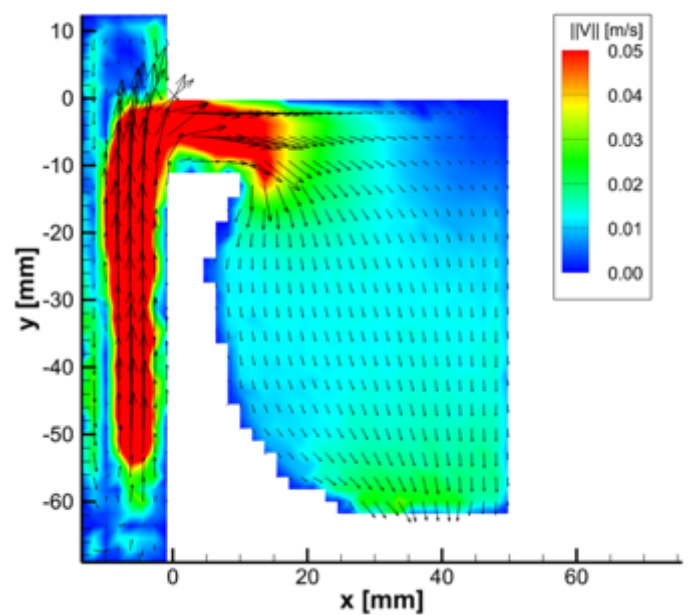


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=700$  ms

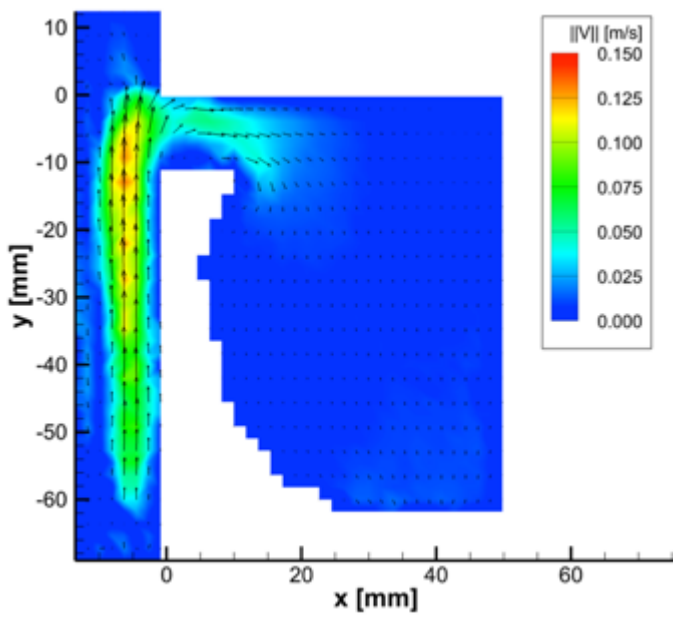


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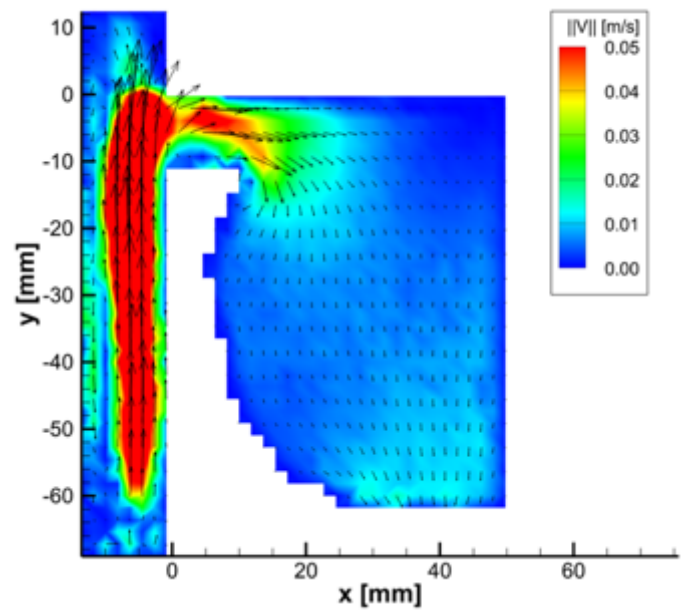


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=750$  ms

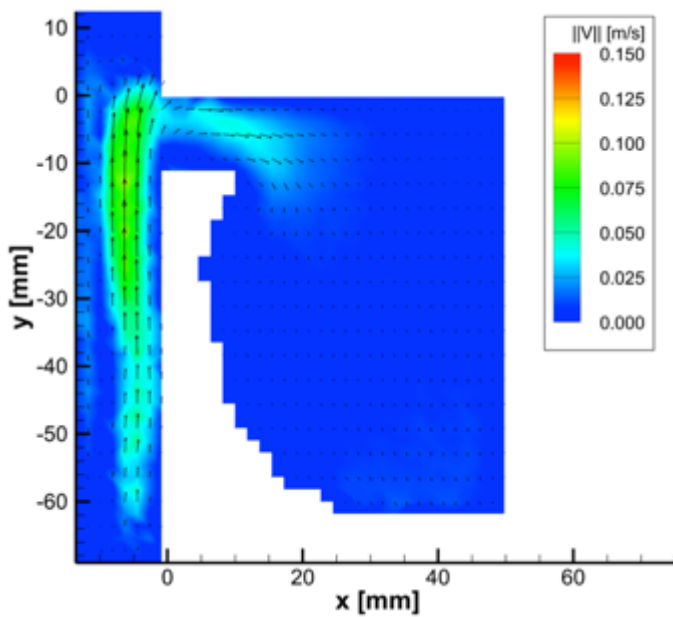


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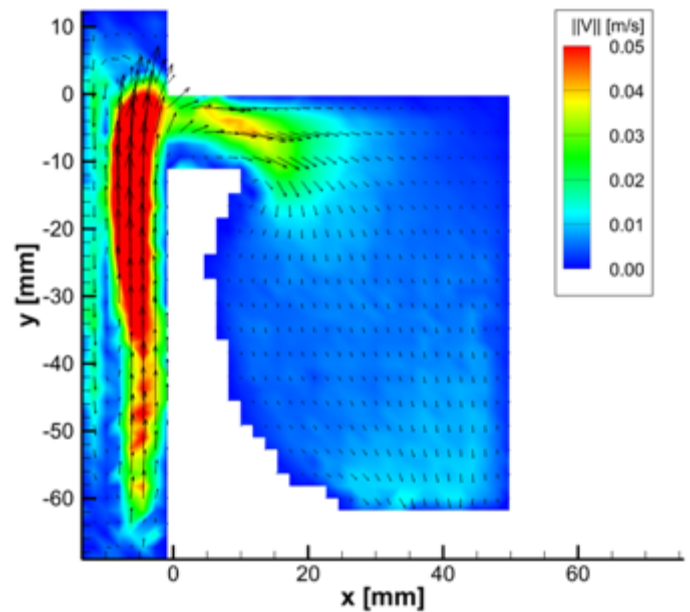


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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=800$  ms



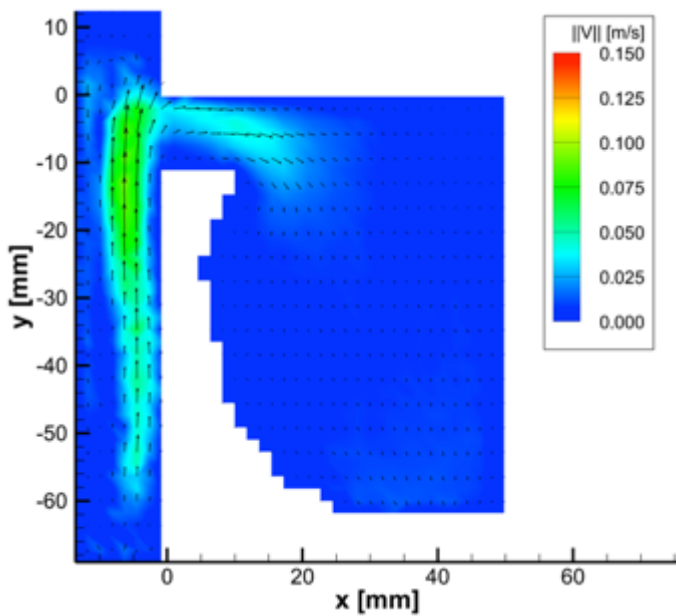
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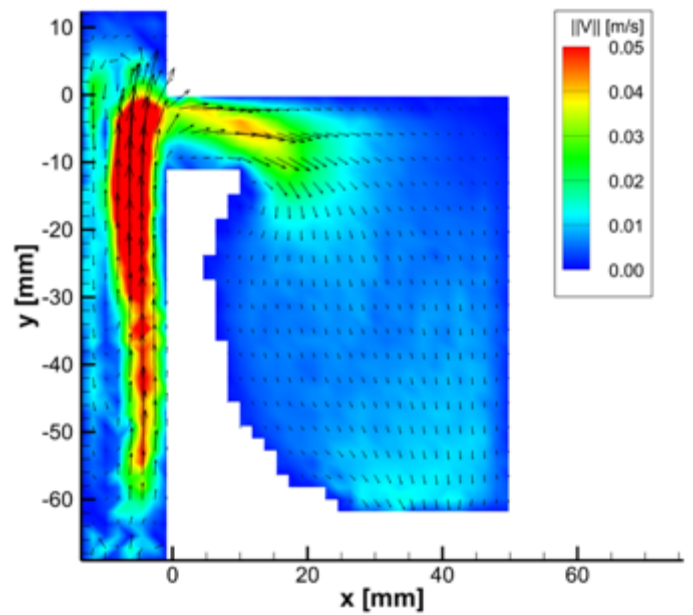
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Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=900$  ms





(35)



(36)

Campo de velocidades en orejuela flexible para  $\Delta V$  LAA=1,2 ml en el instante  $t=950$  ms

### OREJUELA RÍGIDA

En la figura A.B.2. se muestran los instantes de medida en los que se han medido el campo de velocidad del flujo pulsante, se han realizado medidas en 1 ms, 50 ms, 75 ms, 100 ms, 150 ms, 200 ms, 300 ms, 400 ms, 500, 600 ms, 650 ms, 675 ms, 700 ms, 750 ms, 800 ms, 900 ms y 950 ms.

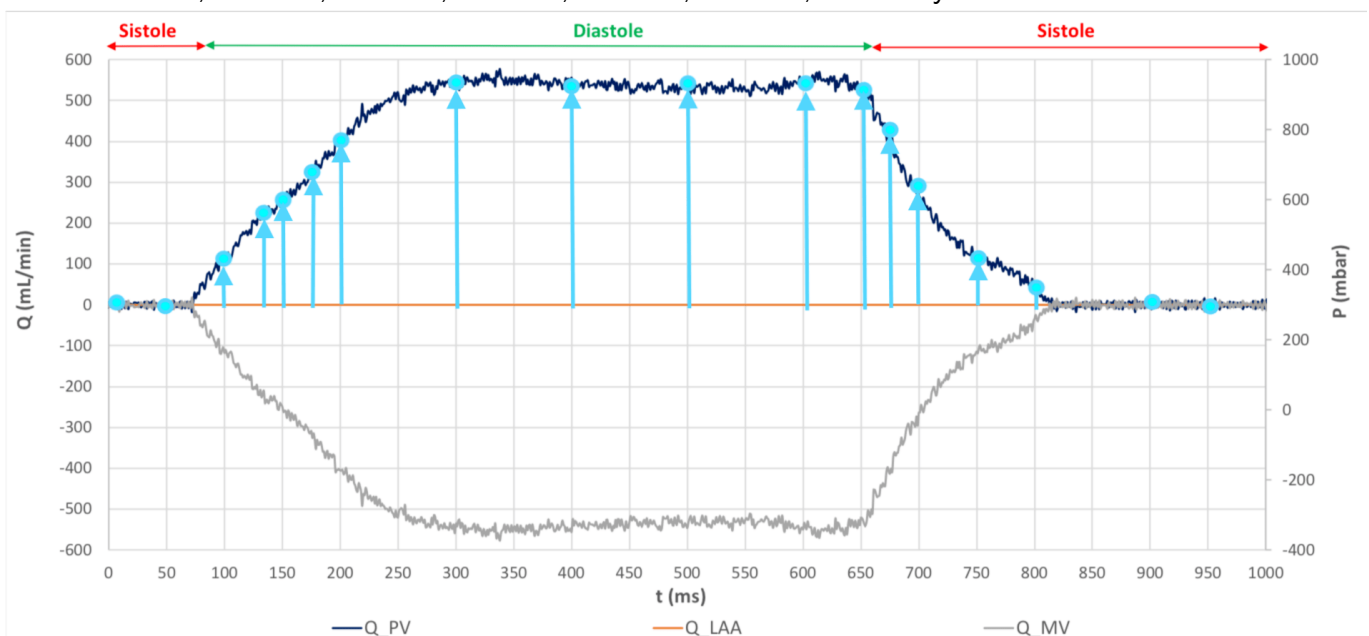
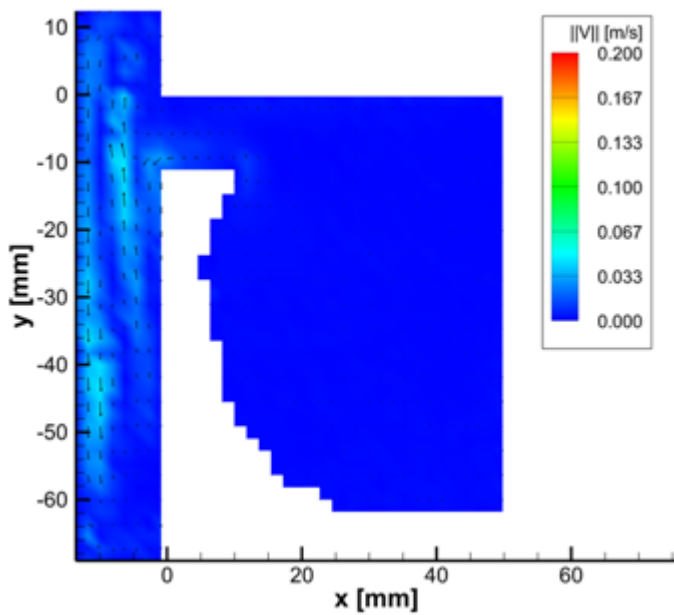
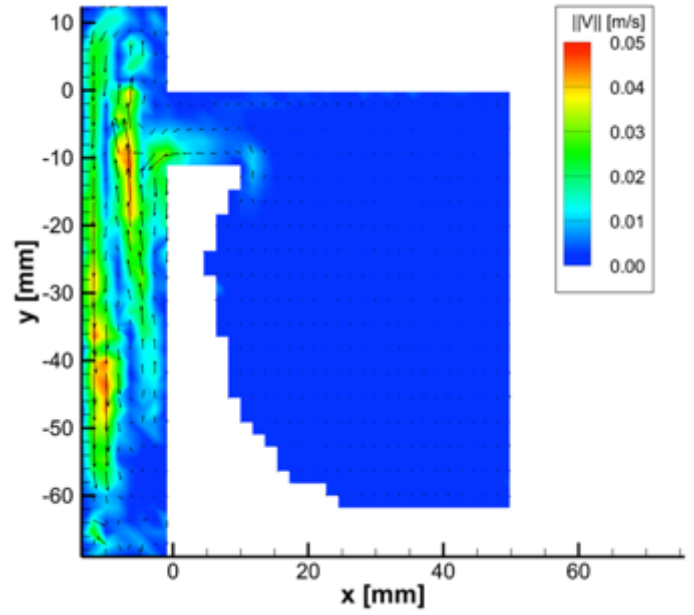


Figura A.B.2. Instantes de medida del campo de velocidad durante el ciclo cardiaco.

A continuación se mostrarán los campos de velocidad que se han medido.

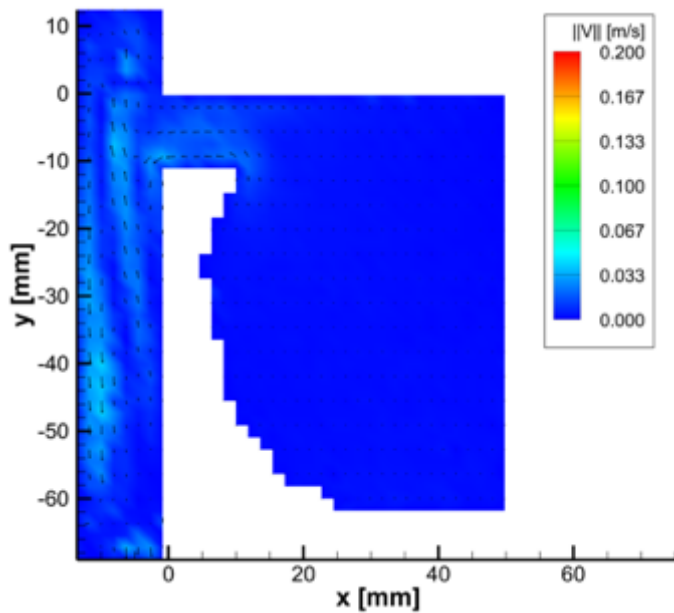


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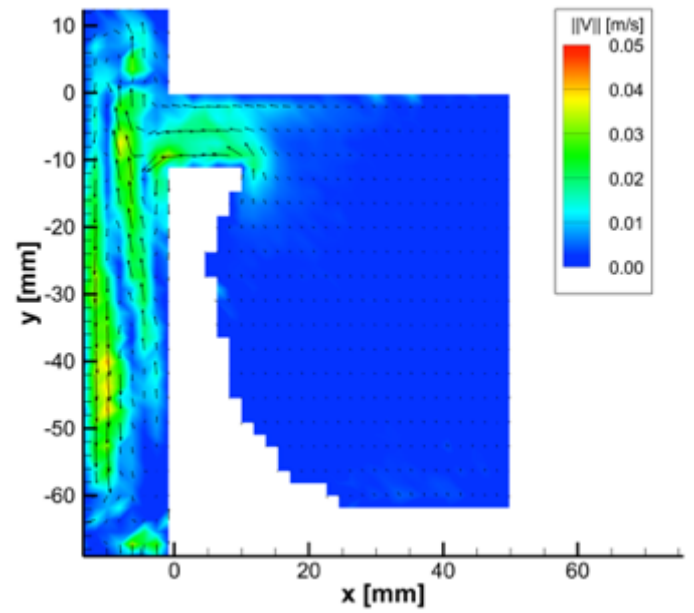


(2)

Campo de velocidades en orejuela rígida en el instante  $t=1$  ms

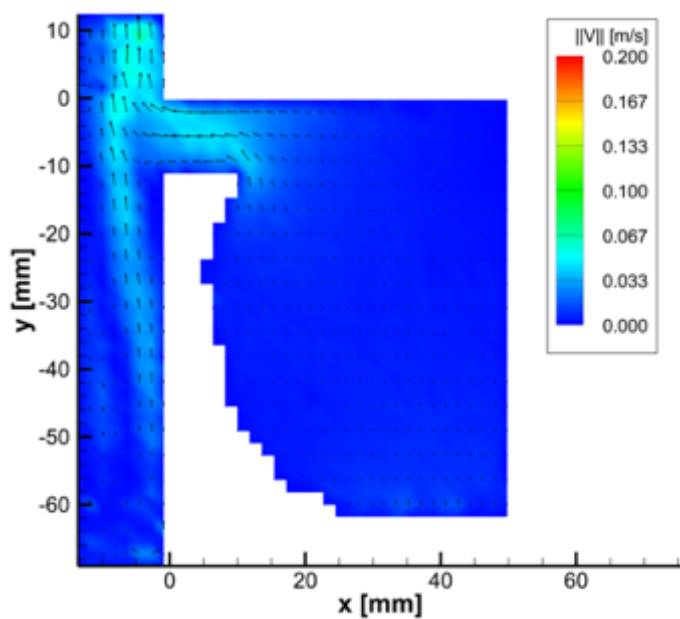


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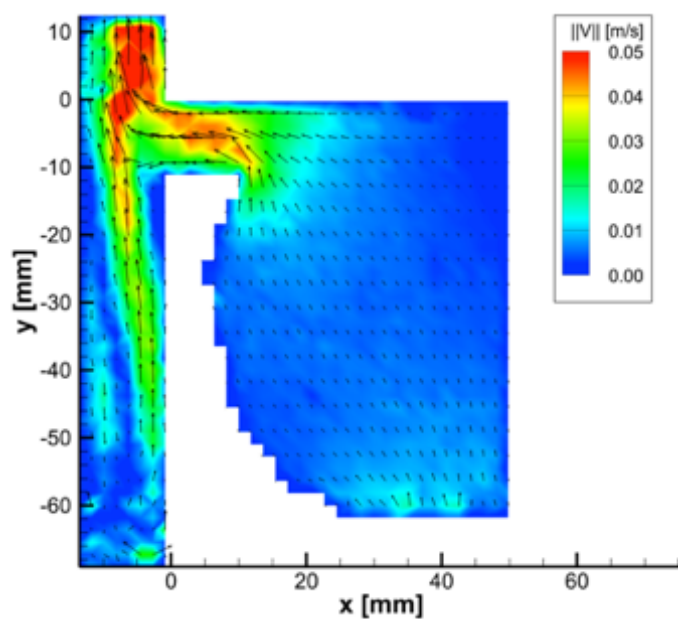


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Campo de velocidades en orejuela rígida en el instante  $t=50$  ms

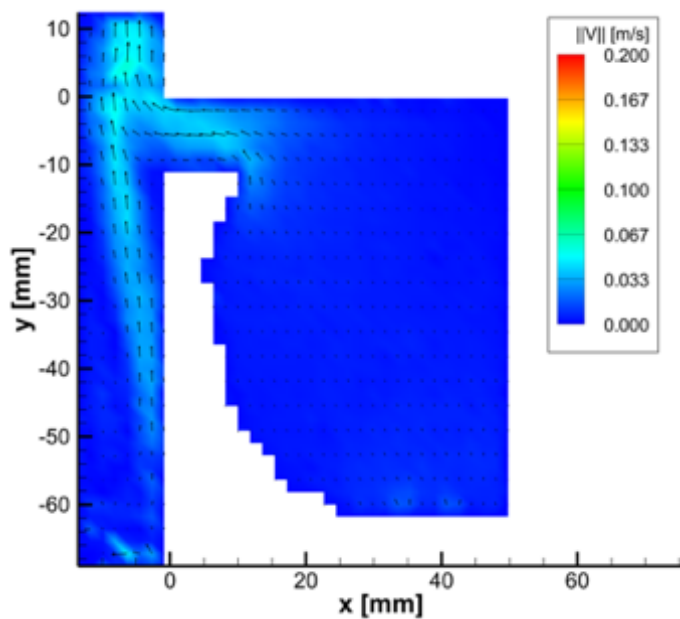


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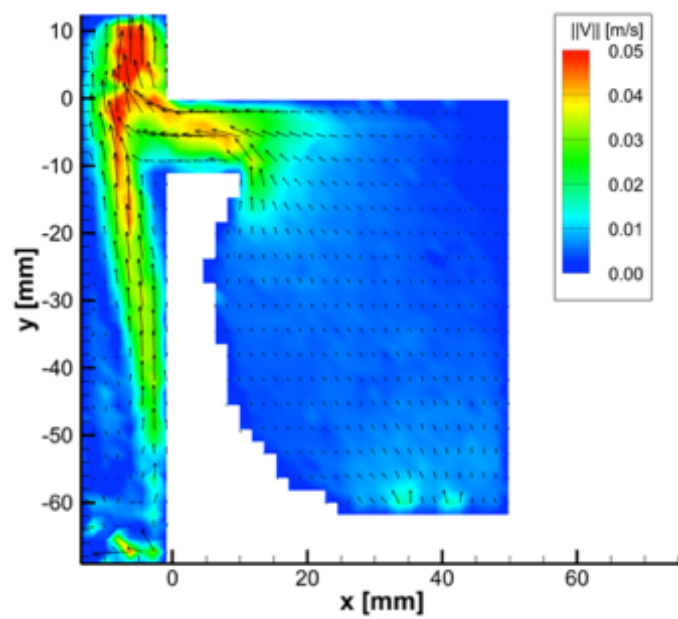


(6)

Campo de velocidades en orejuela rígida en el instante  $t=100$  ms



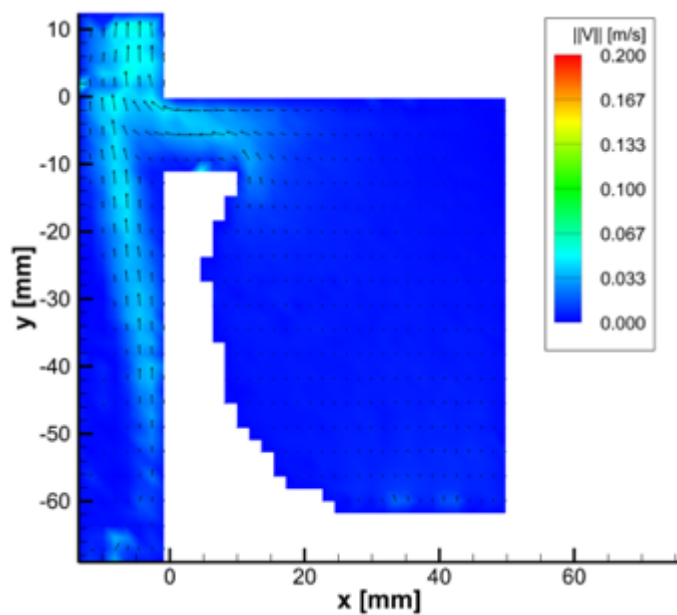
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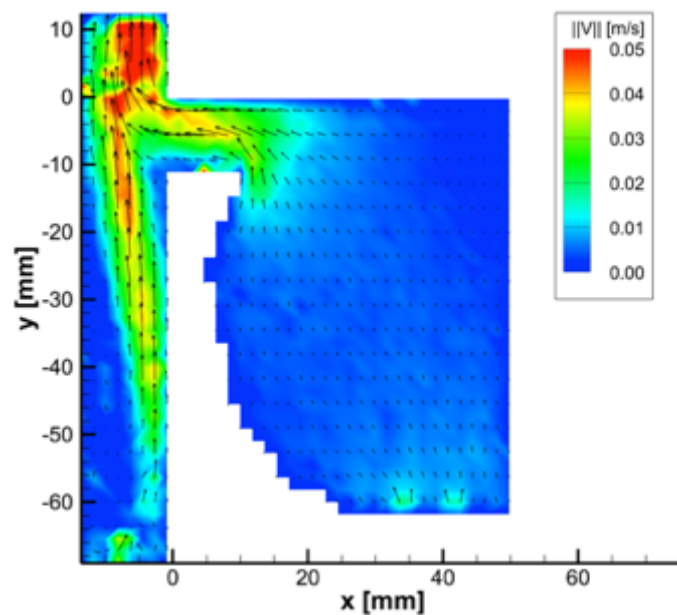
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Campo de velocidades en orejuela rígida en el instante  $t=135$  ms



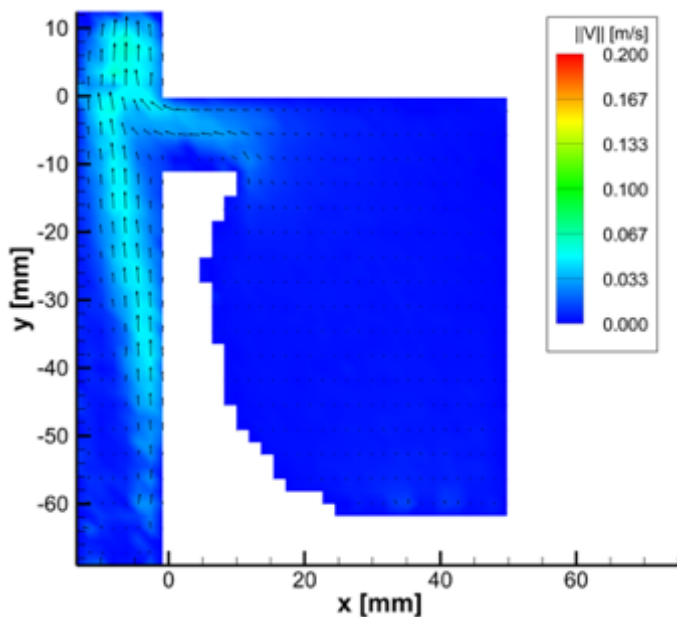


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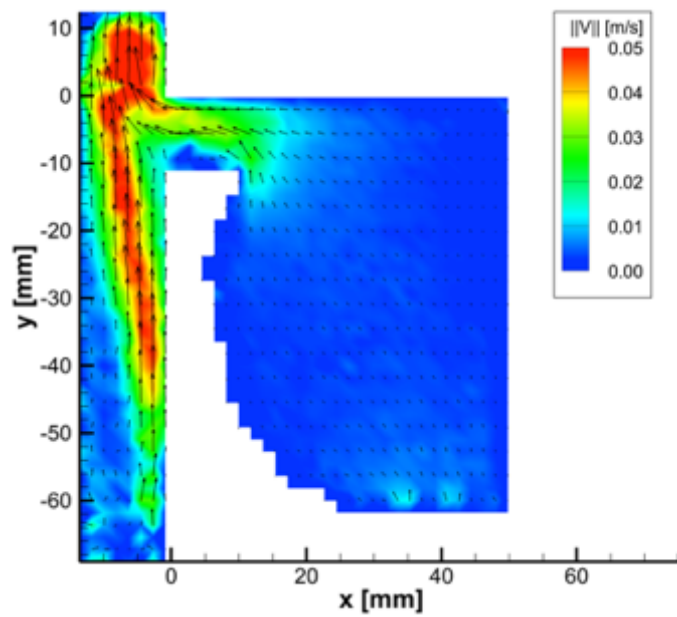


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Campo de velocidades en orejuela rígida en el instante  $t=150$  ms

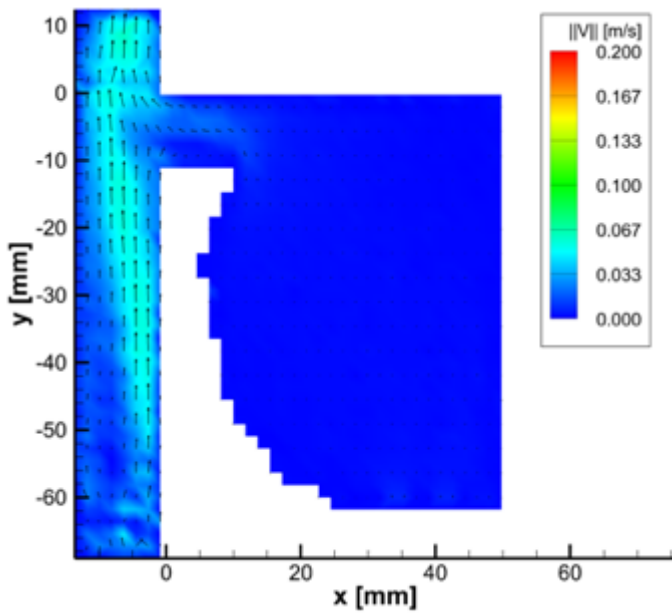


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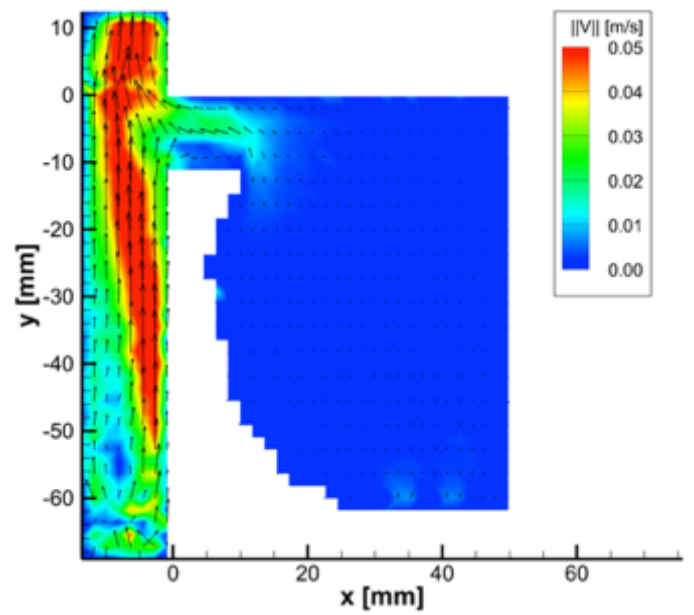


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Campo de velocidades en orejuela rígida en el instante  $t=175$  ms

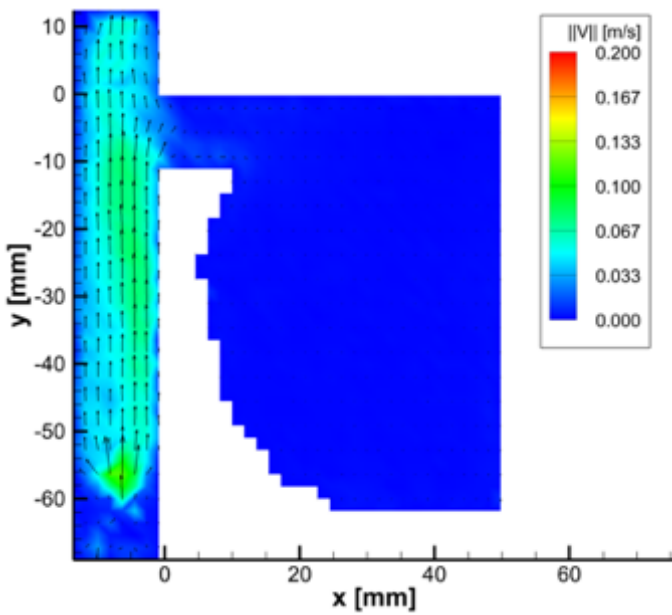


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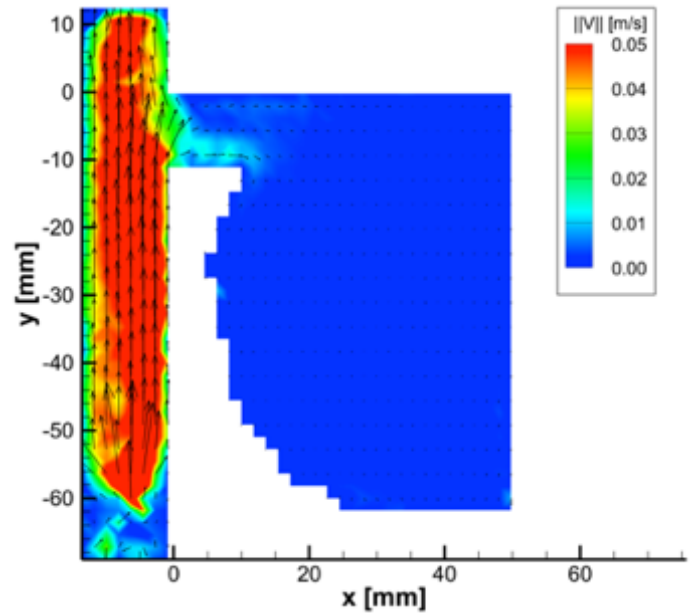


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Campo de velocidades en orejuela rígida en el instante  $t=200$  ms

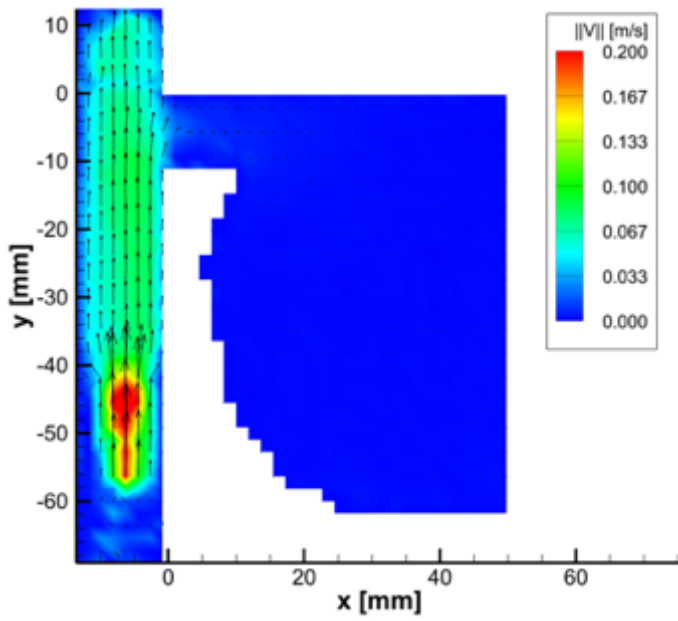


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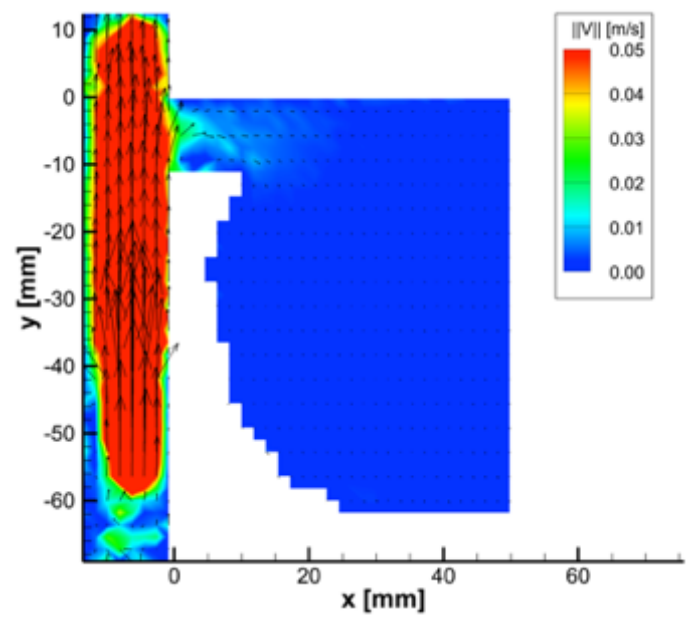


(16)

Campo de velocidades en orejuela rígida en el instante  $t=300$  ms

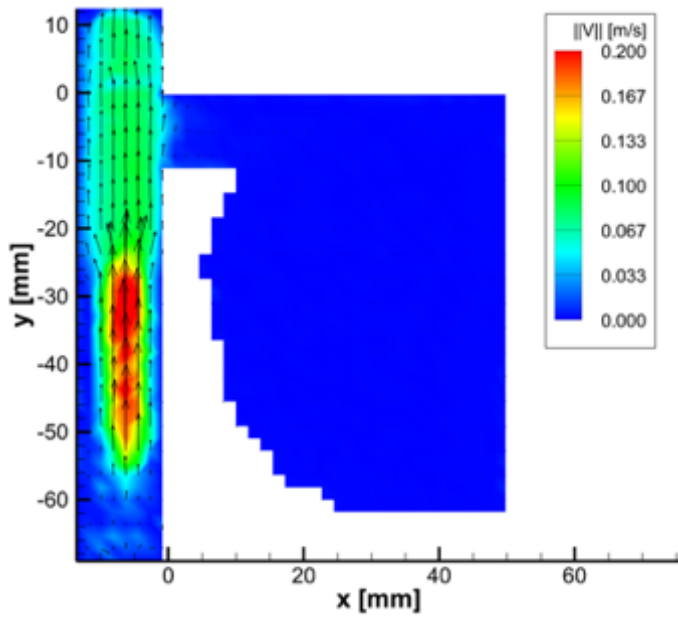


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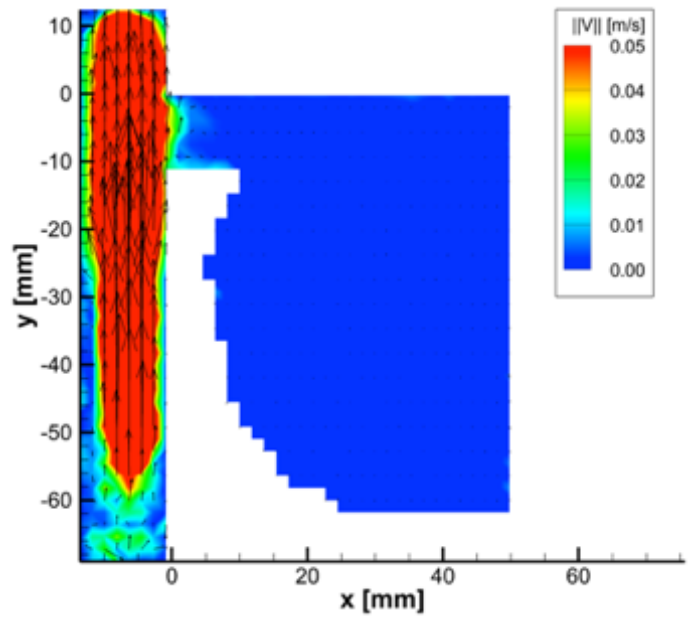


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Campo de velocidades en orejuela rígida en el instante  $t=400$  ms

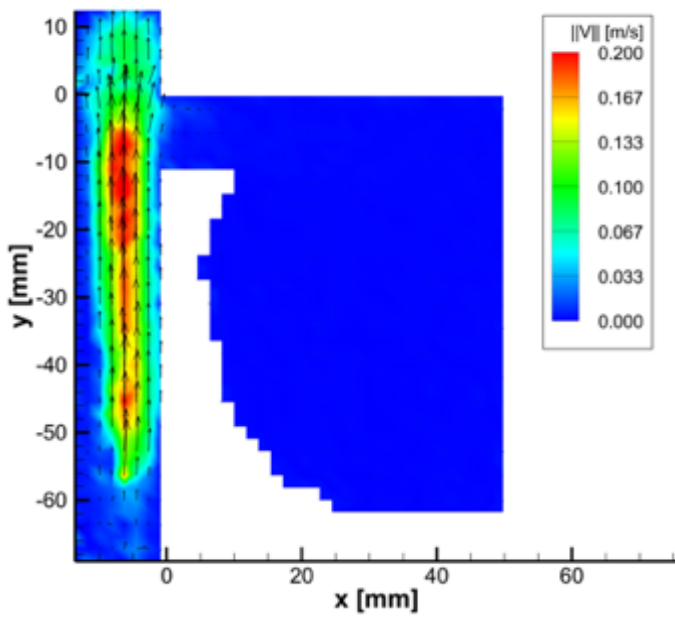


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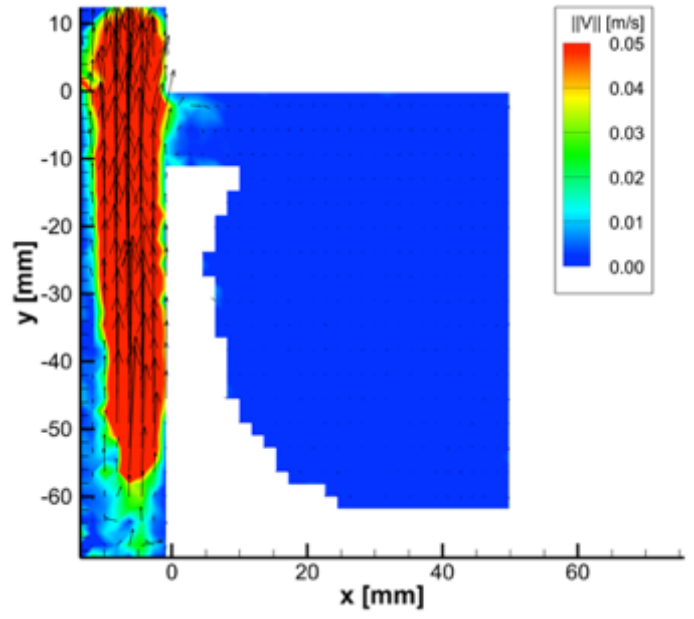


(20)

Campo de velocidades en orejuela rígida en el instante  $t=500$  ms

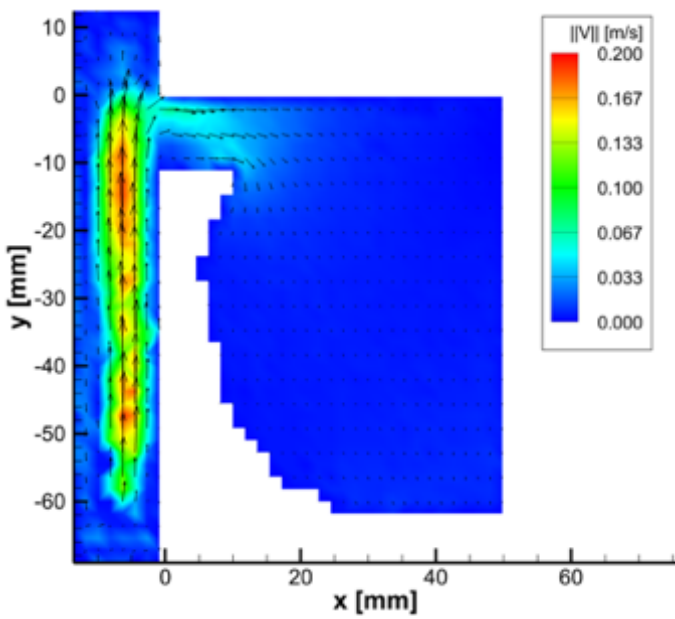


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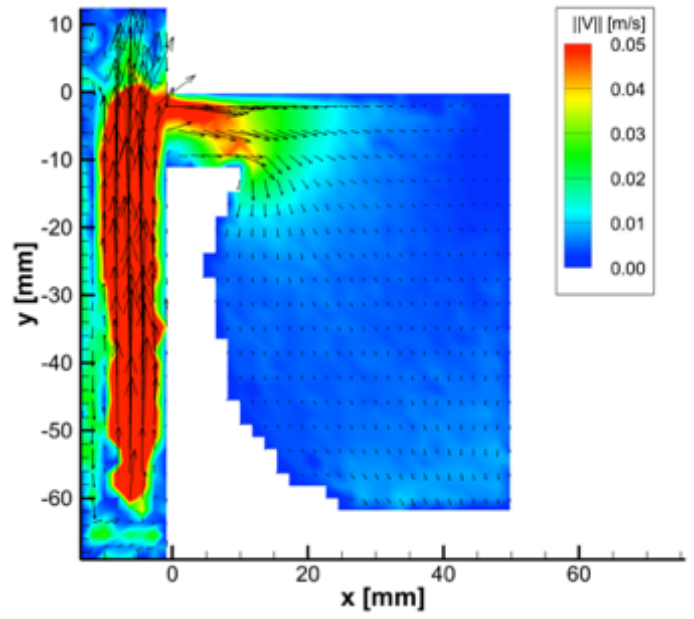


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Campo de velocidades en orejuela rígida en el instante  $t=650$  ms

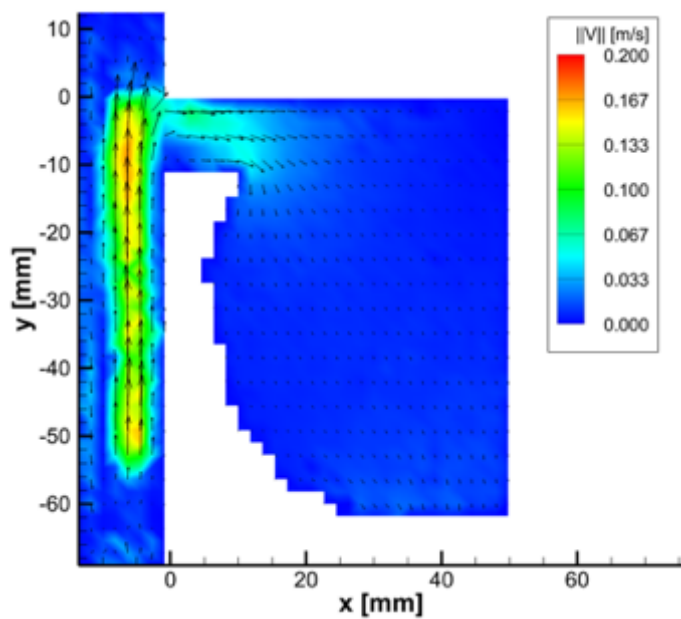


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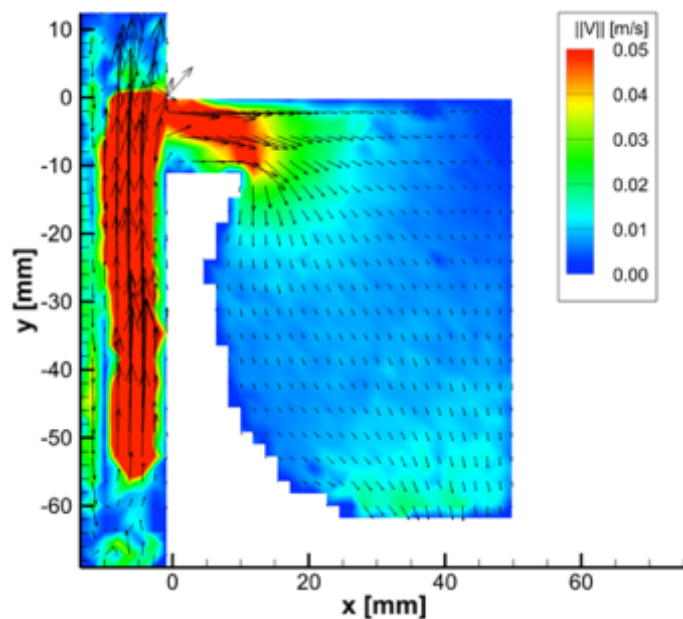


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Campo de velocidades en orejuela rígida en el instante  $t=675$  ms

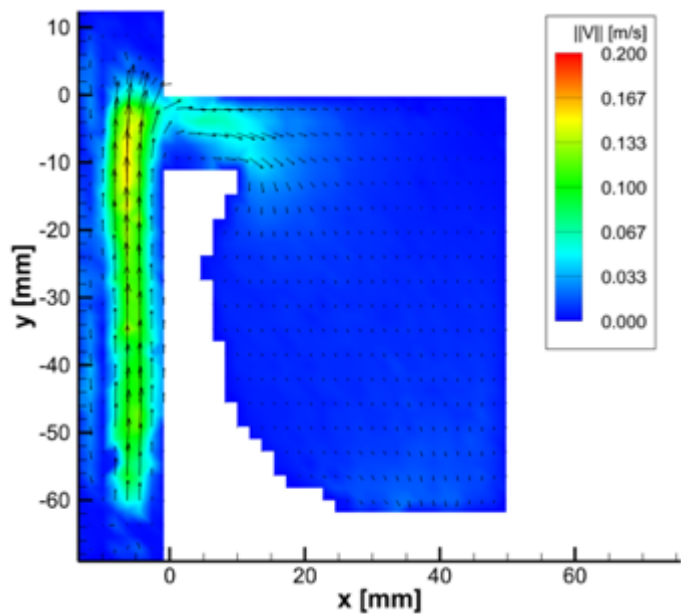


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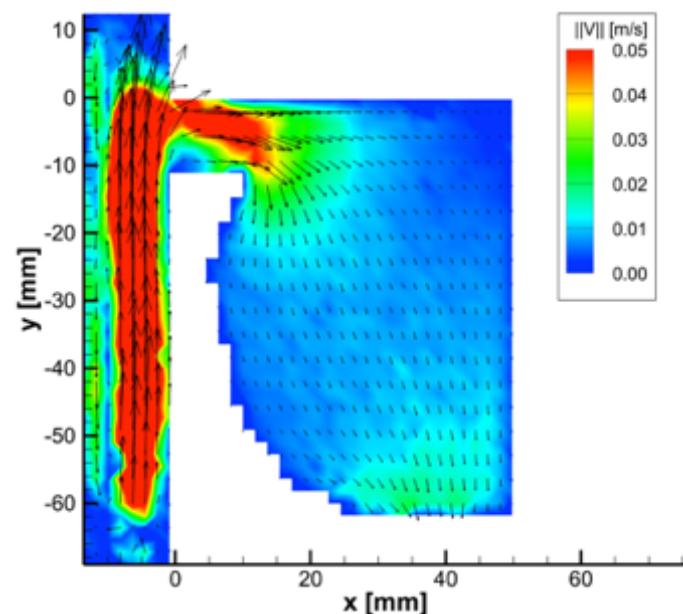


(26)

Campo de velocidades en orejuela rígida en el instante  $t=700$  ms

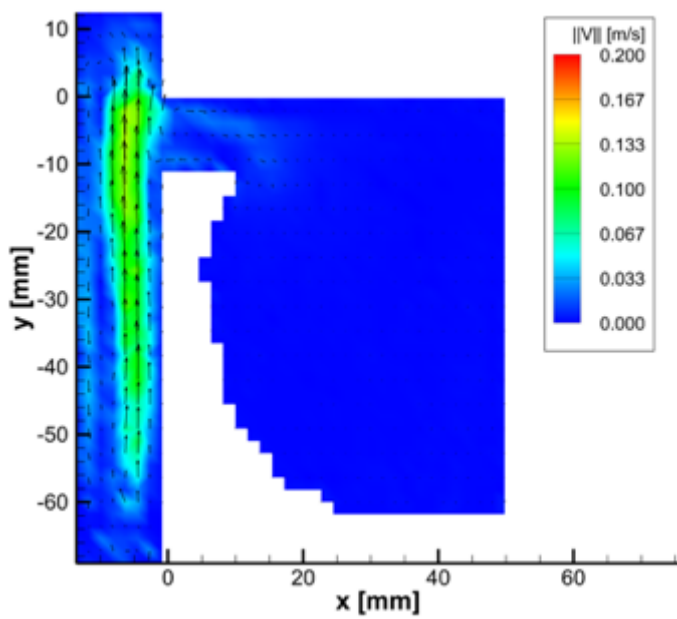


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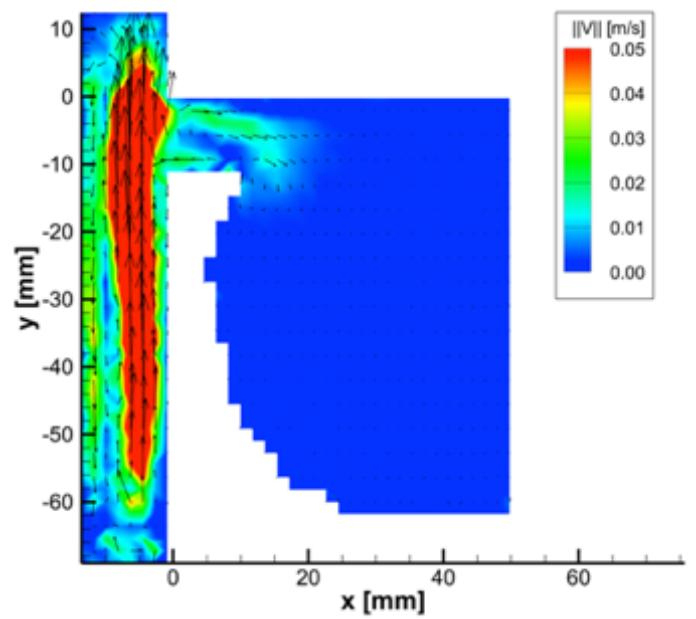


(28)

Campo de velocidades en orejuela rígida en el instante  $t=750$  ms

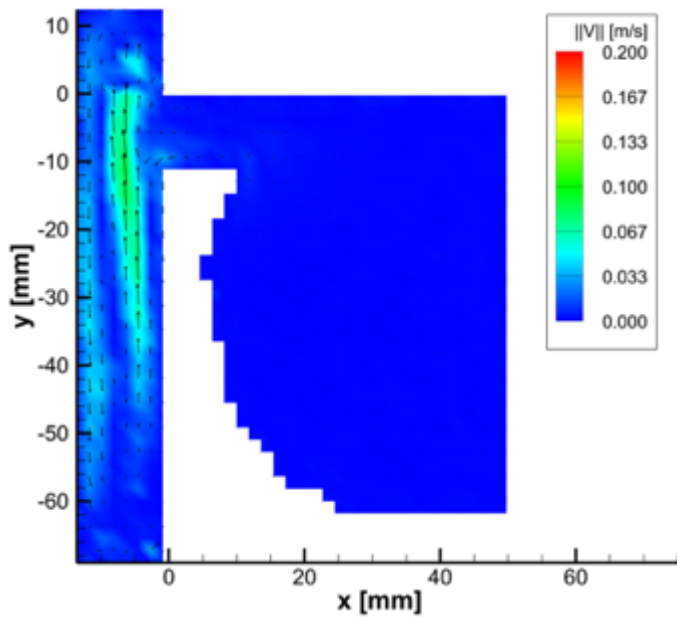


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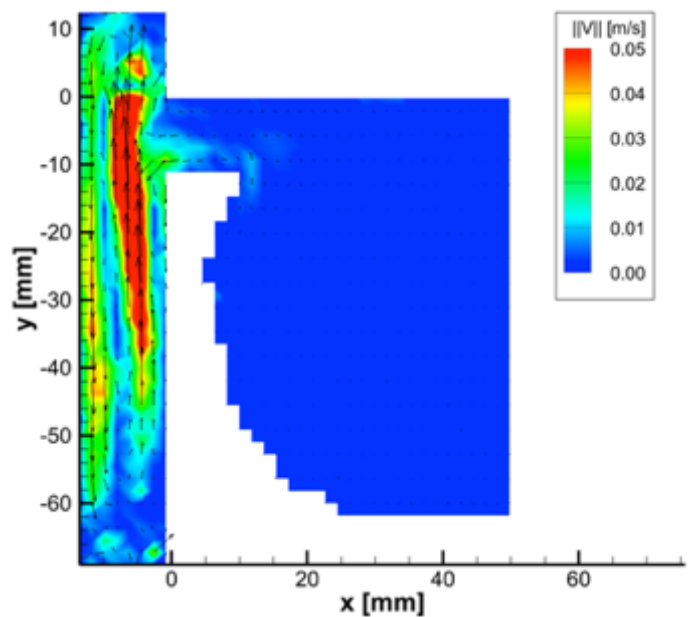


(30)

Campo de velocidades en orejuela rígida en el instante  $t=800$  ms



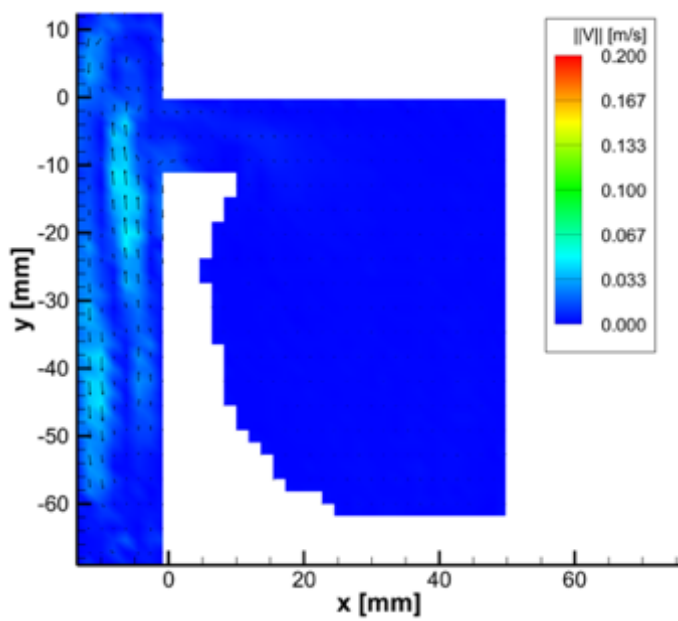
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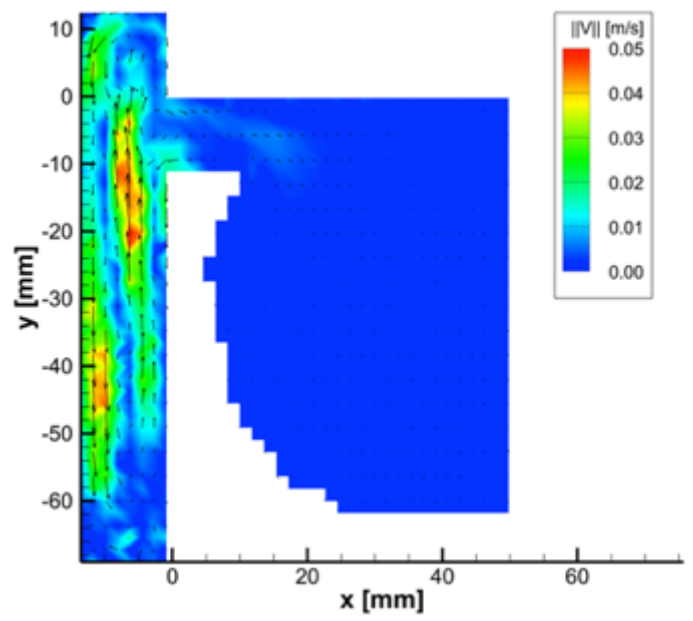
(32)

Campo de velocidades en orejuela rígida en el instante  $t=900$  ms





(33)



(34)

Campo de velocidades en orejuela rígida en el instante  $t=950$  ms